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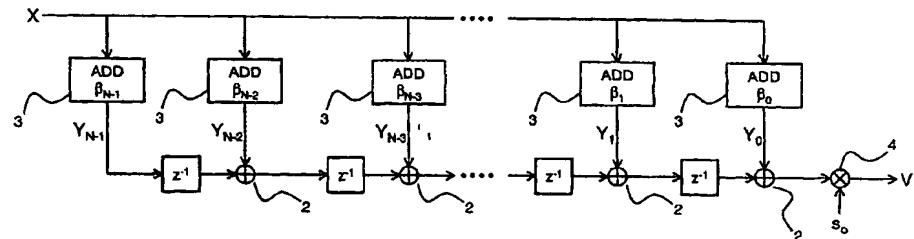
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(54) Title: **METHOD FOR DETERMINING FILTER COEFFICIENTS OF A DIGITAL FILTER AND DIGITAL FILTER**



(57) **Abstract:** In a method for determining filter coefficients of a digital filter, particularly in UMTS, the predetermined filter coefficients  $b_v$  are divided by a same scaling factor  $s$  and then quantized in that counted from the most significant bit onwards only a certain number  $n$  of "1" bits is used and in that the quantization error  $E(s)$  is minimized by the selection of the scaling factor  $s_0$  and these scaled and quantized filter coefficients  $b_v$  are implemented in the filter.

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